Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/01/2022 09:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124439	-1	1.54	124355	1.49
Blue	F	SSC	125000	124711	-1	2.99	125308	2.86
Blue	E	FITC	15860	15302	-4	2.34	372	14.37
Blue	D	PE	27718	27203	-2	1.77	633	10.47
Blue	B	PerCP-Cy5-5	38046	37114	-3	3.05	1017	15.14
Blue	A	PE-Cy7	26092	25754	-2	5.00	503	31.01
Red	C	APC	49104	48511	-2	2.71	1706	11.53
Red	A	APC-Cy7	28201	27474	-3	3.09	724	12.21
Violet	B	V450	9904	9561	-4	3.38	533	11.77
Violet	A	V500	39004	37755	-4	2.98	987	8.60

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23967	1.91	570	1	N/A	N/A	Pass
Blue	F	SSC	55730	1.62	525	-3	N/A	N/A	Pass
Blue	E	FITC	57	55.60	494	3	0.0404	60	Pass
Blue	D	PE	124	37.93	500	4	0.3857	274	Pass
Blue	B	PerCP-Cy5-5	140	44.33	592	3	0.0188	44	Pass
Blue	A	PE-Cy7	63	97.72	635	3	0.0214	7	Pass
Red	C	APC	328	26.36	579	-2	0.0269	113	Pass
Red	A	APC-Cy7	96	41.29	551	-4	0.0062	884	Pass
Violet	B	V450	87	48.77	458	0	0.0496	1800	Pass
Violet	A	V500	123	34.32	469	0	0.0277	1796	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.76	-31.55	1.15
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.02	13.90 - 20.86	N/A	N/A	29.92	30.15	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10052

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments